



7-25-02

GP-2/21

**IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE**

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**JUL 30 2002**

**Technology Center 2100**

Applicant: **Shuo-Yen Robert Li**

Case: **23**

Serial No. **09/882,112**

Filed: **June 15, 2001**

Group Art Unit: **2121**

Examiner:

**Title of Invention: MULTISTAGE INTERCONNECTION NETWORKS OF  
MULTICAST CONCENTRATORS WITH SELF-ROUTING  
CONTROL MECHANISM**

**THE COMMISSIONER OF PATENTS AND TRADEMARKS  
WASHINGTON, D.C. 20231**

**SIR:**

Enclosed is a Third Preliminary Amendment in the above-identified application.

No additional fee is required based on the calculation below for a **small entity**:

**CLAIMS AS AMENDED**

	CLAIMS REMAINING AFTER AMENDMENT	CLAIMS PREVIOUSLY PAID FOR	EXTRA	RATE	ADDITIONAL FEE
Total Claims	14	20	0	\$ 9.00	\$ 0.00
Indep. Claims	5	5	0	\$42.00	\$ 0.00

Multiple Claims First Presented with this Amendment = 0	\$0
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**Total: \$ 0.00**

Also enclosed herewith for filing in connection with the enclosed application are:

**XX** Return Postcard

Respectfully submitted,

John T. Peoples (Reg. No. 28,250)  
14 Blue Jay Ct.  
Warren, NJ 07059  
(908) 580-9816

Date: 7-24-02

"Express Mail" mailing label number: ET370341693US

Date of Deposit: 7-24, 2002

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the "Box Non-Fee Amendment, Assistant Commissioner for Patents, Washington D.C. 20231".

Typed or Printed Name of Person Mailing Paper or Fee: John T. Peoples

Signature: John T. Peoples

**IN THE UNITED STATES**  
**PATENT AND TRADEMARK OFFICE**

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CONTROL MECHANISM**

**THE COMMISSIONER OF PATENTS AND TRADEMARKS  
WASHINGTON, D.C. 20231**

**SIR:**

**THIRD PRELIMINARY AMENDMENT**

Enclosed is a third Preliminary Amendment for the above-identified application which is submitted to replace the second Preliminary Amendment filed May 28, 2002, said second Preliminary Amendment being judged as "Non-Compliant Amendment" as per 37 CFR 1.121 (application paper No. 5, dated July 2, 2002). Please amend the application as follows.

**In the Specification:**

**Page 174, line 16 through page 175, line 15, replace the Paragraph as follows:**

C'  
--Here a point should be noted that, if the routing tag remains the same when entering each stage, the control circuitries at different stages should then have different configurations in order to read different bit positions of the routing tag to extract the stage-specific control information, which is obviously undesirable. Therefore, a simple mechanism for manipulating the routing tag at each stage to facilitate the extraction of the